



# FIXTURLASER EXO

SHAFT ALIGNMENT IN HAZARDOUS AREA



PREMIUM  
PROACTIVE  
ENGINEERING

# Fixturlaser EXO

## Safeguard Your Maintenance Team and Production

Our core values have led to the development of several first industry functions, where True Live and VertiZontal™ Moves are unique on the market for laser-based shaft alignment tools. They bring an ease of use to our end users, which above all facilitates easy precision shaft alignment, on-the-job time saving, improved reliability and most importantly, money savings. With the FIXTURLASER EXO, you get all this in an intrinsically safe shaft alignment package.

## GuideU

### Our Graphical User Interface, Your Alignment Guide

Our patented icon-based and color-coded user interface makes it easy to measure, align, and document each job. In order to minimize the risk of operator errors, we developed an icon-driven, adaptive user interface for the EXO system.

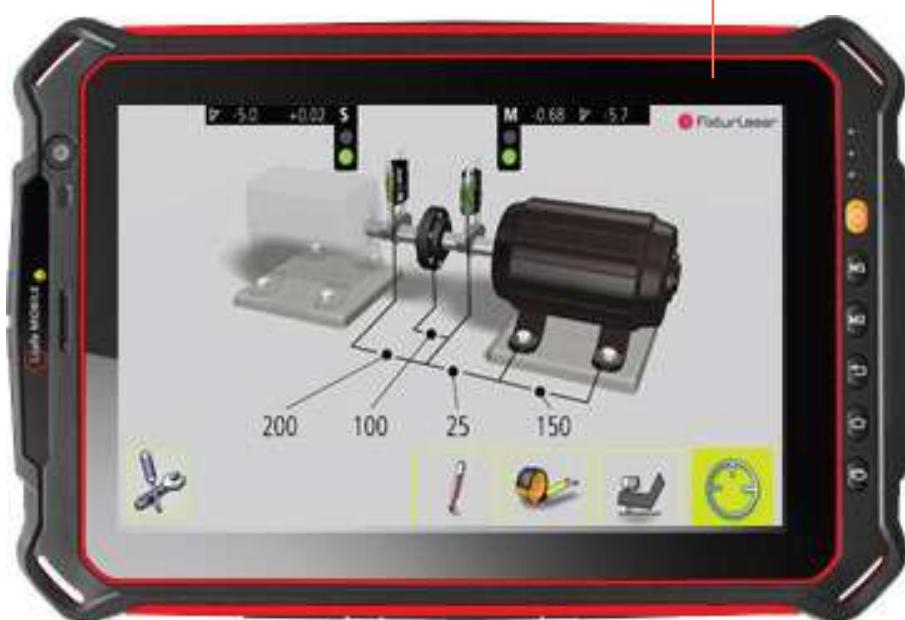
This adaptive user interface guides the user throughout the job in logical and easy to follow steps. It will deliver measurement and correction values based on what the system finds during the alignment process.

This eliminates confusion for less-experienced users and provides ease of access throughout a measurement with the EXO system. To add to the enhanced user experience, we have given the interface a game-like 3D graphic look facilitating unmistakable interpretation of any misalignment error.

Our icon-driven, language-free alignment systems produce measurement reports easily understood by all users, regardless of their language.

## Easy-to-Use Shaft Alignment in Hazardous Areas

ATEX/IECEx Zone 2 certified  
including ruggedized IP68  
tablet device





## EXO In the case

- Tablet EXO
- Fixturlaser M4 Ex
- Fixturlaser S4 Ex
- Rod kit NXA
- 2 pcs. Chain 8 mm 60 links (L=970 mm)
- 2 pcs. V-bracket complete Ex
- 2 pcs. Angled universal tool
- Ext power cable EUR 2m
- Ext power cable US 2m
- Tape measure 3m 10feet Ex
- 2 pcs. USB-cable A-mini B 2m
- Power supply 5 USB-ports 5 VDC
- User Manual EXO english

# Alignment features in explosive atmospheres



## Horizontal Alignment

Machine alignment.



## Vertical Alignment

Machine alignment.



## Feetlock™

Solution to solve base-bound and/or bolt-bound machines.



## PDF Reporting

Fast on site reporting available converting saved measurement reports into PDF files.



## VertiZontal™ Moves

Displays exactly how much a misaligned machine needs to be adjusted.



## Mobile Connectivity

Integrated Wi-Fi, Bluetooth, and camera.



## Target Values

Determined the machine's thermal expansion.



## Softcheck™

To diagnose soft foot problems.



## The True Live Feature

This feature delivers live measurement values showing the machine's exact position. Did you interrupt the laser beam? Or move the machine's position out of detector range? Not a problem, our smart sensors will resume with an updated machine position and always deliver live values to you.



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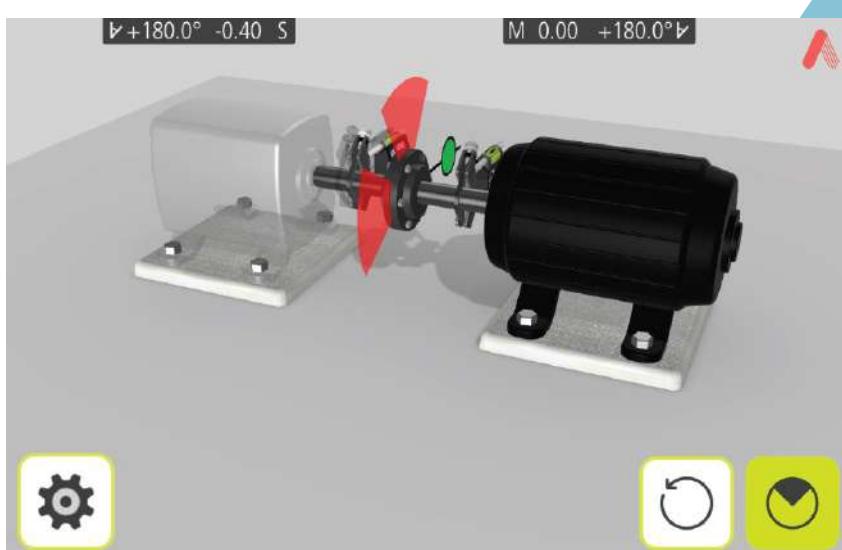
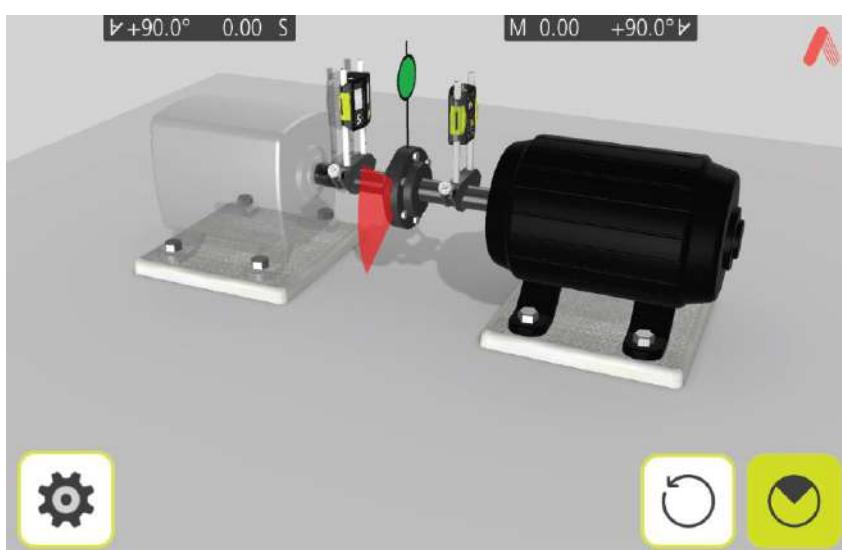
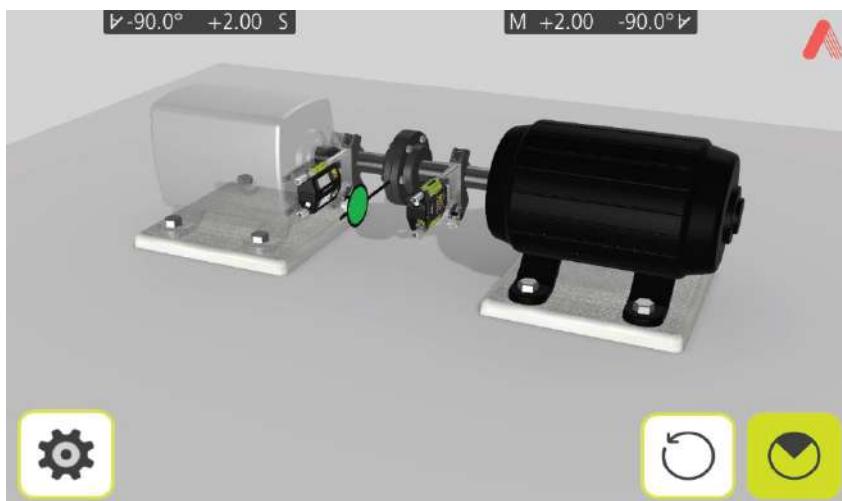


## Tripoint TM Method

In the Tripoint method, the alignment condition can be calculated by taking three points while rotating the shaft at least 60°. In this method, all points are taken manually.

## Our color, icon and app based graphical user interface

GuideU will take you from start to goal without hesitation and guess work, all clearly displayed on an 8 inch tablet (EX/ATEX)



## TD-units M4 Ex 1-1043/S4 Ex 1-1044

|  |  |
|--|--|
| Weight including all standard parts:                 | 6,6 kg (14,6 lbs)  |
| Weight:  | M4 Ex: 220 g (7,8 oz)<br>S4 Ex: 190 g (6.7 oz)   |
| Dimensions:  | 92mm x 77mm x 33mm<br>( 3.6 in x 3 in x 1.3 in)  |
| Operating Temp:                                      | 0 to 50°C (32 to 122°F)  |
| Storage Temp:  | -20 to 70°C ( -4 to 158°F)   |
| Relative humidity:                                   | 10 - 90%   |
| Environmental protection:                            | IP 65 (Dust tight and protected against water jets)  |
| Laser  | 650 nm class II diode laser  |
| Laser power  | < 1 mW   |
| Measurement distance                                 | Up to 5 m  |
| Detector   | 2nd gen. digital sensor  |
| Detector length                                      | 30mm (1,2 in)  |
| Detector resolution                                  | 1 µm   |
| Measurement accuracy                                 | 0,3% ± 7 µm  |
| Signal processing:                                   | Digital signal processing with Sidespot rejection, edge detection, ambient light elimination and anti-vibration mode |
| Inclinometer:  | Dual High Performance MEMS inclinometers   |
| Inclinometer resolution                              | 0,01°  |
| Inclinometer accuracy                                | ±0,2°  |
| Wireless communication:                              | Class I Bluetooth transmitter  |
| Communication range                                  | 10 m (33 ft)   |
| Charging:  | 5V, 0,5A   |
| Operating time:                                      | 12 hours continuous use (measuring)  |
| Battery Charging time (system off, room temperature) | 5 hours  |
| Shaft brackets:                                      |  |
| Shaft diameter:                                      | Ø 25-175 mm (1"-6.9") Ø 25-450 mm (1"-18") (with extension chains)   |
| Rods:  | 4 pcs 100 mm (3,9 in) and 4 pcs 150 mm (5,9 in) Extendable to 250 mm (9,8 in)  |







## About Acoem

Creating environments of possibility

At Acoem, we create environments of possibility – helping organisations find the right balance between progress and preservation – safeguarding businesses and assets, and maximising opportunities while conserving the planet's resources. We deliver unrivalled, interoperable AI-powered sensors and ecosystems that empower our customers to make enlightened decisions based on accurate information.

**Acoem links possibilities with protection.**

For more information, please visit [acoem.com](http://acoem.com)



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